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INFORMATION DIVISION

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UNIVERSITY OF CALIFORNIA

Radiation Laboratory
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LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED IN THE UCRL
INFORMATION DIVISION DURING THE PERIOD OF SEPTEMBER 1-15, 1955

September 16, 1955

Printed for the U. S. Atomic Energy Commission

LIST OF CODES FOR REPORT NUMBERS

ACCO -American Cyanimid Company
AEP -Monsanto Chemical Company
ALCO -American Locomotive Company
AMF -American Machine & Foundry Co.
ANL -Argonne National Laboratory
ANP -Aircraft Nuclear Propulsion Project
APEX -General Electric Company, ANP Project
BAW -Babcock & Wilcox
BDX -Bendix Aviation Corp., Detroit
BMI -Battelle Memorial Institute
BNL -Brookhaven National Lab.
BRB -Bridgeport Brass Company
BSC -Bethlehem Steel Company
CENP -Combustion Engineering, Inc.
COO -Chicago Operations Office
CU -Columbia University
DCDE -Atomic Power Development Associates
DLWK -Duquense Light Co-Walter Kidde
DOW -Dow Chemical Company
DP -E.I. duPont de Nemour & Co.
FWE -Foreign Weapons Effects
GAT -Goodyear Atomic Corporation
GEAP -General Electric Company
GEL -General Electric Co., General Engineering Laboratory
HEC -Hooker Electrochemical Co.
HO -Hanford Operations Office
HW -Hanford Works, Richland
IDO -Idaho Operations Office
ISC -Iowa State College
K -Carbide and Carbon Chemicals Co. (K-25 Plant)
KAPL -Knolls Atomic Power Laboratory
KLX -The Vitro Corporation of America
KLXS -Vitro Corporation of America (Study Group)
KY -Carbide and Carbon Chemicals Co. (C-31 Plant)
LA&LAMS -Los Alamos Scientific Lab.
MCW -Mallinckrodt Chemical Works
MIT -Massachusetts Inst. of Tech.
MLM -Mound Laboratory
NAA-SR -North American Aviation, Inc.
NBL -New Brunswick Laboratory
NBS -National Bureau of Standards
NEA -Foster Wheeler-Pioneer Service
NLCO -National Lead Company of Ohio
NMI -Nuclear Metals Inc.
NNSD -Newport News Shipbuilding and Dry Dock Co.
NPG -Commonwealth Edison Co. (Nuclear Power Group)
NYO -New York Operations Office
ORINS -Oak Ridge Institute of Nuclear Studies

ORNL -Carbide & Carbon Chemicals Co. (ORNL)
ORO -Oak Ridge Operations Office
PWAC -Pratt & Whitney Aircraft Division of the United Aircraft Corp.
RFP -Rocky Flats Plant
RME -Grand Junction Operations Office
RMO -Division of Raw Materials
SAN -San Francisco Operations Office
SC -Sandia Corporation
SEP -Sylvania Electric Products, Inc.
SFO -Santa Fe Operations Office
SRO -Savannah River Operations Office
SO -Schenectady Operations Office
TEI(M) -U. S. Geological Survey Trace Elements Reports
TID -Technical Information Service
TVA -Tennessee Valley Authority
UCLA -University of California Medical Research Laboratory
UCRL -University of California Radiation Laboratory
UR -University of Rochester
UWFL -University of Washington Applied Fisheries Laboratory
WAPD -Bettis Plant
WASH -AEC, Washington
WEC -Westinghouse Electric Company Industrial Atomic Power Group
WIN -National Lead Co ., Inc. Winchester
WT -Weapon Test Reports
Y -Carbide and Carbon Chemicals Company (Y-12 Plant)

Many prefixes used for research and development reports cover a number of installations. NP("Non-Project") numbers are assigned by the Technical Information Service at Oak Ridge to those reports which it receives from sources not under contract to the Atomic Energy Commission. The UCRL Information Division gives "Misc" numbers to any others received here that do not bear an identifying number. Many reports are grouped together under numbers corresponding to an AEC division or operations office. Some of these are as follows:

CO, COO -Chicago Operations Office
IDO -Idaho Operations Office
NYO, NYOO -New York Operations Office
ORO -Oak Ridge Operations Office
RMO -Raw Materials Division
WASH -Atomic Energy Commission, Washington

In our semimonthly "List of Reports Received" the originating installation will be placed in the author column whenever the report code number does not indicate a specific laboratory, or is obsolete or not given in this list.

Two series of translations are currently received, one sponsored by the AEC (AEC-tr), the other by the National Science Foundation (NSF-tr).

LIST OF UNCLASSIFIED REPORTS RECEIVED AND ISSUED IN THE UCRL
INFORMATION DIVISION DURING THE PERIOD OF SEPTEMBER 1-15, 1955

Radiation Laboratory, Department of Physics
University of California, Berkeley, California

September 16, 1955

<u>Index Number</u>	<u>Title</u>	<u>Author</u>	<u>Date</u>
	<u>BIOSCIENCES</u>		
AECU-3012	Studies in Methods in Instruments to Improve the Localization of Radioactive Materials in the Body with Special Reference to the Diagnosis of Brain Tumors, and the use of Ultrasonic Techniques Final Progress Report July 1, 1952 to June 30, 1953	Minnesota Univ., Minneapolis	8-55
ANL-5453	Efficiency Studies of a High-Efficiency, High-Temperature Filter Against Freshly Generated Uranium Oxide Fume	E.W.Conners, Jr. D.P.O'Neil	6-54
ANL-5456	Report on Biological, Medical and Biophysics Programs Part I - Quarterly Report of Biological and Medical Research Division Part II - Semiannual Report of Radiological Physics Division		7-55
KAPL-1353	Evaluation of Potential Hazards Associated with the Release of Laboratory Liquid Waste to the Mohawk River	L.J.Cherubin	
KAPL-1379	Health Physics Report for April, May, June 1955	K.F.Houseman L.J.Cherubin	
LA-1858	Analytical Procedures of the Industrial Hygiene Group	J.McClelland	12-54

*Microcards

LA-1923	A Film-Badge Method of Differential Measurement of Combined Thermal-Neutron and Gamma-Radiation Exposures	F.Kalil	4-55
NM 006 012.04.86	The Relative Biological Effectiveness of Atomic Bomb Gamma Radiation in Mice	E.P.Cronkite V.P.Bond R.H.Lee, et al Naval Medical Research Inst., Bethesda	5-25-55
NRL-4566	Experimental Gamma Radiac Calibrator	J.D.Graves Naval Research Lab.	7-22-55
ORNL-332 (1st.Rev.)	Applied Health Physics Radiation Survey Instrumentation	D.M.Davis E.D.Gupton J.C.Hart	1-1-54
*RDB(W)/TN-58	An Anthology of Health Physics Data. (Second Edition)	H.J.Dunster Gt. Brit.Windscale Works, Sellafield, Cumb., England	10-54
RDB(W)/TN-119	A Fast Neutron Monitor	D.D.McLeod Same	1-54
UCLA-342	A Study of the Yolk Proteins of Frog Eggs by Physical and Chemical Means	O.A.Schjeide E.Levi R.A.Flickinger	8-26-55

CHEMISTRY

ACCO-68	A Summary Report on the Ion Exchange Process for the Recovery of Uranium	D.Kaufman G.W.Lower	
HW-36831	The Preparation of Fluoride Melts for Use in the Fluorimetric Method of Uranium Analysis	C.E.Michelson	7-11-55
IDO-14349	An Ultraviolet Spectrophotometric Determination of Uranium	B.E.Paige M.C.Elliott J.E.Rein	8-15-55
*Micorcards			

K-1239	A Report on Production of UO_3 By Drying- Calcining	T.Shapiro R.J.Clouse	8-26-55
MISC 1955-136	An Investigation of the Effects of Stress Concentration and Triaxiality on the Plastic Flow of Metals Technical Report No. 32 Toughening High Strength Steel by Warm Working	E.J.Ripling Case Inst. of Tech.	9-55
MISC 1955-139	Technical Report to the Office of Naval Research on the Anodic Behavior of Iron	N.Hackerman W.H.Wade Texas, Univ.	7-15-55
MISC 1955-140	Technical Report VII the Nature of Addition Compounds of Zirconium and Hafnium Tetrachlorides with Phosphorus Oxychloride	E.M.Larsen L.Wittenberg Wisconsin.Univ.	6-55
MISC 1955-141	Technical Report VIII the Systems Formed by Zirconium and Hafnium Tetrachloride with Acetonitrile and Isoamyl Ether	E.M.Larsen L.E.Trevorrow Wisconsin Univ.	8-55
MISC 1955-142	Technical Report IX on the Anhydrous Reduced Halides of Zirconium and Hafnium	E.M.Larsen J.L.Leddy Wisconsin Univ.	8-55
MISC 1955-143	Technical Report X Alizarin Sulfonate Complexes of Zirconium and Hafnium	E.M.Larsen S.T.Hirozawa Wisconsin Univ.	8-55
MISC 1955-144	Final Report;The Chemistry of Zirconium and Hafnium	E.M.Larsen Wisconsin Univ.	8-55
MISC 1955-148	Heats of Adsorption of Water Vapor on Bovine Serum Albumin; Office of Naval Research Technical Report No. 7	R.A.Beebe C.H.Amberg Amherst Coll.,Mass.	5-55
MISC 1955-149	Heats and Entropies of Adsorption of Gases and Vapors on Solid Surfaces; Office of Naval Research Final Report Period Covered: 1 Dec. 1948 to 31 Dec. 1954	R.A.Beebe Amherst Coll.,Mass.	

*Microcards

MISC 1955-153	A New Approach to the Rheological Properties of Sandwater and Clay-Water Mixtures; Office of Naval Research Technical Report No. 61	W.G.Ormsby W.A.Weyl Penn. State Univ.	3-55
MISC 1955-154	A Study on Surface Chemical Reactions; Office of Naval Research Technical Report No. 62	S.Bentur Penn. State Univ.	3-55
MISC 1955-155	Freezing Point Depression and its Structural Interpretation; Office of Naval Research Technical Report No. 63	T.Forland Penn. State Univ.	4-55
MISC 1955-156	The Role of Polarization in Determining Some Thermal and Mechanical Properties of Non-Metallic Solids; Office of Naval Research Technical Reports Nos. 64,65,66	W.A.Weyl Penn. State Univ.	6-55
Monograph 2405	The Crystal Structures of RhTe and RhTe ₂	S.Geller Bell Telephone Labs.	5-5-55
Monograph 2406	Barium Getters in Carbon Monoxide	J.Morrison R.B.Zetterstrom	4-55
Monograph 2416	Ferroelectric Domains in Ba Ti O ₃ Crystals	J.A.Gooton W.J.Merz	4-15-55
Monograph 2437	The Absorption of Gases on a Germanium Surface	J.T.Law	6-55
NAA-SR-1357	Molecular Weight Determinations of the Meta-Polyphenyls by Measuring the Absorbance	L.Silverman W.Houk	9-1-55
NBL-108	Separation of Rare Earths from Thorium Nitrate	M.W.Lerner G.J.Petretic	8-55
NBS-4031	Synthesis of Maltose-1-C ¹⁴ , Maltobionolactone-1-C ¹⁴ , and Lithium Maltobionate-1-C ¹⁴ from 3-(α -D-Glucopyranosyl)	H.S.Isbell R.Schaffer	4-15-55
NBS-4257 *Microcards	A Recording Microwave Hygrometer	J.Sargent	6-55

NRL-4553	Spot-Width Variation in Weissenberg X-Ray Diffraction Patterns from Single Crystals	A.B.Wing Naval Research Lab.	7-1-55
NRL-4569	Wetting Properties of Organic Liquids on High-Energy Surfaces	H.W.Fox E.F.Hare W.A.Zisman Naval Research Lab.	7-29-55
NYO-1040	Termination Report Relating to the Sheer-Korman Process	C.Sheer S.Korman P.H.Sellew, et al Burns and Roe, Inc., New York	7-50
PDB-153	The Determination of Total Acid, Formaldehyde and Formic Acid in Solutions Containing Nitric Acid, Uranium and Iron	E.Mizzan Atomic Energy of Canada Ltd.	11-22-54
*RDB(W)/TN-106	The Ashing of Seaweed Samples for Ruthenium Assay	E.E.Foreman Gt.Brit.Windscale Works, Sellafield, Cumb., England	10-53
RM-1537-AEC	Crystal Structures and Atomic Volumes of the Elements	W.G.McMillan Rand Corp.	8-12-55
*RM-252(RAND)	Composite Targets; I. n Identical Elements	H.H.Germond Rand Corp.	9-29-49
*SP(CS)-METH-9A	The Determination of Uranium in Pure Ammonium Diuranate	Gt. Brit.Springfields Works, Springfields, Lancs, England.	10-18-54
*SP(CS)-METH-171	The Determination of Chloride in Uranium Tetrafluoride	Same	10-26-54

*Microcards

*TID-5265	Preliminary Metallurgical Testing of Edgemont Ore.	K.E.Tame P.L.Placer L.D.Christensen Bureau of Mines. Intermountain Experiment Station, Salt Lake City	1-55
TID-5266	Metallurgical Testing of Ores from the Big Indian Wash Area, Utah	K.E.Tame F.E.Bender J.A.Pike Same	2-55
*TID-5267	Carbonate Leaching. Thickening, and Filtering of Monticello Stockpile Ores	K.E.Tame P.L.Placek L.D.Christensen Same	2-55
*TID-5268	Metallurgical Testing of U. and I. Uranium Ore (AEC-321)	K.E.Tame J.A.Pike P.L.Placek Same	4-55
TID-5276	Chemical Processing and Equipment; Selected Reference Material United States Atomic Energy Program	Atomic Energy Commission Wash.,D.C.	1955

ENGINEERING

*RDB(W)/8103	A Study of the Hydrodynamics of Pulsed Columns. Part 2. The Calculation of Losses in Side Lines	J.A.Williams D.J.Little W.D.Jones Gt. Brit.Windscale Works,Sellafield, Cumb.,England	6-54
*RDB(W)/TN-138	Experiments on A 400 GPM, 3 Phase Flat Linear Electromagnetic Induction Pump at Low Line Pressures	J.D.Nixon T.I.M.Crofts Same	3-54

*Microcards

METALLURGY AND CERAMICS

ANL-5221	A Differential Dilatometer for Rapid Determination of Thermal Expansion Coefficients Near Room Temperature	R.M.Mayfield	7-14-53
ANL-5430	Corrosion Resistant Aluminum Above 200°C	J.E.Draley W.E.Ruther	7-15-55
CRDC-596	Out-Reactor Tests of the HTP Loop	R.F.S.Robertson P.G.Anderson Atomic Energy of Canada Ltd.	6-55
HW-36692	The Corrosion of Aluminum and its Alloys	G.Groot R.M.Peekema	5-13-55
HW-37642	Field Corrosion Tests in Redox and Purex Underground Waste Storage Tanks	N.D.Groves M.C.Fraser W.L.Walker	6-28-55
KAPL-1366	Influence of Neutron Bombardment on Cold-Worked and Carburized Iron Single Crystals	F.W.Kunz	6-23-55
MISC 1955-35 #18	Titanium Program, Project TB4-15 (Subtask 1) Eighteenth Quarterly Progress Report April 1 to June 30, 1955	Bureau of Mines	
MISC 1955-131	I. Deformation Studies of Metlas At Elevated Temperatures II. The Iron-Chromium-Nickel Ternary System III. Effect of Structure and Composition of the Strength Properties of Stainless Steel IV. Effect of Cold Work on the Strength Properties of Stainless Steels Periodic Status Report No. 12 May 1955 - July 1955	N.J.Grant P.E.Price F.C.Monkman, et al Mass. Inst. of Tech.	
MISC 1955-134 *Microcards	Final Report Some Problems in the Stabilization of Low Oxidation States	E.Griswold J.Kleinberg Kansas. Univ.	

MISC 1955-135	Summary Report Technical Report Summary Report January 1, 1950--July 31, 1955 Technical Report, Subgrain and Electrical Resistivity Studies of Molybdenum Single Crystals	K.T.Aust R.Maddin Johns Hopkins Univ.	7-31-55
MISC 1955-137	Microscopic and X-Ray Study of Barium Titanate Ceramics; Technical Report No.7	W.R.Cook Brush Labs.	7-27-55
MISC 1955-138	Some Observations on the Structure of Grain Boundary Fracture Surfaces	H.C.Chang N.J.Grant Mass. Inst. of Tech.	
MISC 1955-146	Thirty-Seventh Quarterly Report to Sponsors of the Institute for the Study of Metals	Chicago Univ.	6-55
MISC 1955-147	Fatigue of Ductile Metals at Ranges of Stress Extended to Compression Technical Report to the Office of Naval Research	J.L.Merritt H.J.Mosborg W.H.Munse Illinois.Univ.	7-1-55
MISC 1955-150	Effect of Alloying and Cold Working on the Activation Energy for Creep of Aluminum	O.D.Sherby P.W.Flynn Calif.Univ.	6-15-55
MISC 1955-151	Fundamentals of Glass-To-Metal Bonding. V-A. Temperature and Pressure Dependence of the Wettability of Metals by Glass. V-B. Reactions of Tantalum and Sodium Silicate Glass; Fifth Technical Report	R.M.Fulrath S.P.Mitoff J.A.Pask, et al Calif. Univ.	6-24-55
NAA-SR-1198	Activation Temperatures for Annealing of Neutron-Damaged Graphite as Determined by Isothermal Pulse Annealing	S.B.Austerman G.E.Deegan	9-1-55
*R-104 *Microcards	An Appraisal of the Usefulness of Aluminum Alloys for Supersonic Aircraft and Guided Missile Construction	C.M.Craighead L.W.Eastwood C.H.Lorig Battelle	8-8-48

*R-123	Calcium and Calcium-Base Alloys	W.Hodge R.I.Jaffee B.W.Gonser Battelle	1-1-49
*RAE-TN-MET-187	Summary of the Effect of Heating Some Aluminum Alloys and Alloy Steels at Elevated Temperatures	G.Meikle Gt. Brit. Royal Aircraft Estab. Farnborough, Hants, England	11-53
*RDB(C)/TN-86	The Hydrogen Reduction of Molybdenum Oxides. A Preliminary Investigation	W.E.Dennis R.Wardle Gt. Brit. Culcheth Labs.	7-27-54
*RDB(C)/TN-117	The Metallic Reduction of Vanadium Oxides	W.E.Dennis A.F.Adamson Same	3-28-55
*RDB(W)/TN-197	A Liquid Metal Level Indicator	G.Bottomley Gt.Brit.Windscale Works, Sellafield, Cumb., England	3-55
TAM-82	Torsional Properties of Steels at High Rates of Strain; Final Report [to] Office of Naval Research	P.G.Jones T.J.Dolan Illinois Univ.	4-55
TID-4005 (Pt.1, 3rd Ed.)	Summaries of Physical Research Projects in Metallurgy		3-55
TID-5131	Report of AEC Cooperative Metallographic Group on Zirconium-Base Alloys	R.M.Treco R.F.Dickerson H.P.Roth Sylvania Electric Products.	3-15-53
TID-5277	Liquid Metals Handbook (3rd Ed.); Sodium-NaK Supplement	C.B.Jackson R.R.Miller R.C.Werner	7-1-55
*Microcards			

PHYSICS

ASESA 49-2B	Armed Services Index R.F. Transmission Lines and Fittings	Armed Services Electro-Standards Agency	
CERN 55-11	A Mathematical Formulation of the Gell-Mann New Particles Model	B.d'Espagnat J.Prentki European Council for Nuclear Research, Geneva	7-15-55
CERN-PS/KJ 29	The "Debuncher": A device for Reducing the Energy Spread of a Linac	European Council for Nuclear Research, Geneva	
CERN-PS/RH-8	Relations Between Survey and Stacking of Magnets and Statistical Distribution of F-Type Perturbations	Same	7-55
ISC-629	The Decay Scheme of Sc ⁴⁷	R.T.Nichols E.N.Jensen	8-1-55
ISC-630	Remanent Magnetism in Toroids	P.Hall S.Legvold	8-8-55
ISC-632	Note on Hyperfragments	J.T.Jones, Jr. J.K.Knipp	8-8-55
KAPL-1367	Theory and Engineering Application of a Practical Thermoelectric Electromagnetic (TEM) Pump.	L.Tonks	8-1-55
LA-1917	100-Channel Pulse Height Analyzer Using Delay Line Storage	J.D.Gallagher J.L.McKibben	5-55
MISC 1955-130	Study of the Cause and Effect of Flicker Noise in Vacuum Tubes December 16, 1954 to March 15, 1955 Sixth Quarterly Report	Minnesota Univ.	

*Microcards

MISC 1955-145	Van De Graaff Generator Project Final Report February 1, 1948 to December 31, 1954	Kansas Univ.	
MLM-1045	A Stable Short-Resolving-Time Pulse Discriminator	J.W.Heyd T.L.Zinn	1-15-54
Monograph 2404	Order of Magnitude of Fourier Coefficients	G.Raisbeck Bell Telephone Labs.	3-55
Monograph 2419	Silicon Solar Energy Converters	M.B.Prince Same	5-55
Monograph 2438	Analysis of a Factorial Experiment on Transistors	M.Eder R.Warner F.Keene Same	11-12-54
Monograph 2447	High-Frequency Gas Discharge Plasma in Hydrogen	D.J.Rose S.C.Brown Same	4-15-55
NP-5707	The Heavy Primary Cosmic Radiation at a Geomagnetic Latitude of 10 Degrees North, (Thesis)	R.E.Danielson Minnesota Univ.	6-55
NP-5715	The Light Elements in Cosmic Rays: A Double-Scintillation-Counter Experiment (Thesis); Cosmic Ray Project Technical Report	L.S.Bohl Minnesota Univ.	12-54
NP-5717	High Energy Phenomena in Nuclear Emulsions (Thesis) Cosmic Ray Project Technical Report	J.E.Naagle Minnesota Univ.	1953
NRL-4575	The Neutron Converter: Thermal Neutron Flux Calibration	H.M.Childers J.D.Graves A.E.Nash Naval Research Lab., (Washington, D.C.)	8-1-55
*Microcards			

NYO-7139	Effect of the Failure of Isotopic Spin Conservation on the Pion-Nucleon S Waves	H.P.Noyes Rochester, N.Y. Univ.	8-11-55
*RM-252(RAND)	Composite Targets; I. n Identical Elements	H.H.Germond	9-29-49
*TPI-18	Number of Fissions Induced in a Thin Disc of Fissile Material by a Uniform Distribution of Neutrons	P.R.Wallace National Research Council of Canada, (Ottawa)	8-16-45
*TPI-19	Production of Neutrons in a Thin Disc Due to (α -n) Reaction in Beryllium	P.R.Wallace Same	8-16-45

REACTOR SCIENCE

AECD-3645	The Reactor Handbook - Volume 1 - Physics	Atomic Energy Commission (Washington, D.C.)	2-55
AECD-3646	The Reactor Handbook - Volume 2 - Engineering	Same	5-55
AECD-3647	The Reactor Handbook - Volume 3-Section 1- General Properties of Materials	Same	2-55
ANL-5424	Reactor Engineering Lectures	S.McLain	3-55
ANL-5462	Unclassified Quarterly Report of the Reactor Engineering Division January 1, 1955 through March 31, 1955		4-15-55
TID-5275	Research Reactors: Selected Reference Material United States Atomic Energy Program	Atomic Energy Commission (Washington, D.C.)	1955

MISCELLANEOUS

ASTIA-U-87	Title Announcement Bulletin No. U-87	Armed Services Tech. Info. Agency Dayton, Ohio	8-5-55
*Microcards			

CERN-PS/AED-2	High Precision Geodetic Survey of the Site First Results	European Council for Nuclear Research, Geneva	7-55
NBS-4264	Semiannual Progress Report of the Office of Basic Instrumentation For the period ending June 30, 1955		
*RDB(W)/TN-136	The Fabrication of Plastics. The Welding of Polythene. A Report of Progress From January 1, 1953 to November 1, 1953	M.G.Hipkins P.F.Joy Gt. Brit.Windscale Works,Sellafield, Cumb.,England	5-54
TID-3070	Nuclear Science; A Bibliography of Selected Unclassified Literature		4-55
TID-4500(10th Ed.)	Distribution Lists for Nonclassified Reports		7-15-55
UCRL Translation 238(L)	"International Conference on Peaceful Use of Atomic Energy: Foreign Scientists on the Conference. (Prof. Ernest Lawrence and John Cockcroft)." Pravda, No. 231 (13529), p. 4 (August 19, 1955)		

LIST OF UNCLASSIFIED REPORTS ISSUED IN THE UCRL INFORMATION DIVISION

UCRL-1477 Addendum IV	List of Translations Made at the Information Division Radiation Laboratory, University of California Berkeley, California (Numbers 192 through 237L)		9-8-55
UCRL-3011	Rapid Reactions: Kinetics of the Formation of the Ferric Thiocyanate Complex (Thesis)	J.F.Below, Jr.	6-55
UCRL-3016	Ribulose-1,5-Diphosphate and CO ₂ Fixation From <u>Tetragonia</u> Leaves Extract	J.Mayaudon	6-55

*Microcards

UCRL-3045	Influence of Imperfections in the RF System on Phase Oscillations in the Bevatron	L.Smith	6-10-55
UCRL-3063	Glucose Oxidation by Normal and Virus-Infected Mice	V.Siegel A.M.Hughes	7-8-55
UCRL-3065	The Production and Isolation of Astatine-211 for Biological Studies	M.W.Johnston H.S.Powell J.F.Hamilton, et al	7-55
UCRL-3070	Bevatron Magnet Power Supply Transient Stresses in the Bevatron 50,000-kva Motor Generator	D.T.Scalise	7-27-55
UCRL-3077	Inelastic Scattering of 31 Mev Protons From Beryllium	J.Benveniste R.G.Finke E.A.Martinelli	5-25-55
UCRL-3081	Isolation and Quantitative Estimation of Iodide, Thyroxine, and Substances Related to Thyroxine by Means of an Anion Exchange Resin	P.Blanquet R.W.Dunn C.A.Tobias	7-15-55
UCRL-3088	The Crystal Structure of Indium (I) Iodide	R.E.Jones D.H.Templeton	8-3-55
UCRL-3109	Strange Particles and the Conservation of Isotopic Spin	K.M.Case R.Karplus C.N.Yang	8-17-55
UCRL-3111	Some Relations Between Bound State Problems and Scattering Theory	A.Reifman B.S.DeWitt R.G.Newton	8-19-55
UCRL-3113	Special Preload and Strain Equipment for High-Strength Bolts in the Modified 184-Inch Cyclotron	D.T.Scalise	8-15-55

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UCRL-3134

List of Unclassified Reports Received and
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9-2-55